Troy Minerals Reports Analytical Results from Table Mountain Silica Project, Identifying Broad High-Purity Zones

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VANCOUVER, February 6, 2025 - Troy Minerals Inc. ("Troy" or the "Company") (CSE:TROY)(OTCQB:TROYF)(FSE:VJ3) is pleased to announce that it has received results from a sampling and mapping program on its 100% owned Table Mountain Silica Project, located near Golden, British Columbia, Canada.

Key Highlights

- Three distinct zones of high-purity silica mineralization identified within the Mount Wilson Quartzite Formation.
- 98.86% SiO? over a total of 62.11 metres of channel sampling in five channels at the main Table Mountain Zone.
- Outcrop sampling returned 98.18% to 99.74% SiO_2 from 45 samples at Table Mountain Zone, 97.83% to 99.49% SiO? from 13 samples at South Zone, and 95.82% to 99.82% SiO? from 29 samples at Southeast Zone. *
- Very low deleterious elements identified in all samples.

President of Troy Minerals Inc., Yannis Tsitos commented: "These comprehensive maiden assay results validate the potential of Table Mountain as a key high-purity silica asset. Sampling confirmed the exceptional quality and consistency of silica mineralization across the Project. With grades reaching 98 to 99% SiO? across multiple zones of extensive outcrop exposure, and sampling ranging from 98.18% to 99.74% SiO? at the main Table Mountain Zone, we are rapidly advancing our understanding of this strategic asset. The Project's infrastructure advantages and proximity to existing silica operations further enhance its potential as we work to establish Troy as a significant player in the North American high-purity silica market, positioning the Company for long-term growth."

The sampling program consisted of both systematic grab samples and channel samples, with a total of 110 grab samples (107 outcrop and 3 float) taken within the property area and 70 channel samples collected from 62.11 metres within 74.16 metres of channels.

Figure 1. Index Map

Outcrop Sampling Results
Three main areas returned significant high-purity silica results: the Table Mountain Zone, located at the north end of the Property, the South Zone, and the Southeast Zone.

The most extensively sampled zone was the Table Mountain Zone, which returned an average grade of 98.90% SiO? from 45 grab samples (42 outcrop, 3 float), with values ranging from 98.18% to 99.74% SiO?. Additionally, from these samples the following average values were returned: 0.31% Fe?O?, 0.01% CaO, 0.14% Al?O?, 0.02% MgO, 0.01% TiO?, 0.01% P?O?, and 14ppm boron. See Figure 2 and Table 1. *

Figure 2. Table Mountain Zone Outcrop Sampling - %SiO_2

Table 1. Table Mountain Zone Outcrop Samples

Sample #	Easting (m)	Northing (m)	SiO_2 (%)	Al_2O_3 (%)	CaO (%)	Fe_2O_3 (%)	MgO (%)	P_2O_5 (%)	TiO_2 (%)	B (ppm)
299516	509114	5685249	99.41	0.11	0.02	0.39	0.01	<0.01	<0.01	6
299517	509193	5685166	98.84	0.14	0.01	0.23	0.02	<0.01	<0.01	8
299518	509314	5685171	99.20	0.10	0.01	0.25	0.02	<0.01	0.01	10
299519	509350	5685151	98.26	0.12	0.01	0.35	0.01	<0.01	0.01	15
299520	509369	5685129	99.20	0.13	0.01	0.21	<0.01	<0.01	0.03	16
299521	509395	5685107	99.17	0.15	0.01	0.27	0.02	<0.01	0.01	8
299522	509418	5685094	98.78	0.23	0.02	0.26	0.01	<0.01	0.01	12
299523	509442	5685075	98.59	0.14	0.02	0.26	<0.01	0.01	0.01	12
299524	509450	5685043	99.74	0.07	0.01	0.30	0.01	0.01	0.01	6
299525	509471	5685019	98.58	0.04	0.01	0.36	0.01	0.01	0.01	7
299526	509482	5684990	99.25	0.14	0.02	0.27	0.04	0.01	0.01	7
299527	509500	5684961	99.66	0.16	0.02	0.31	0.02	0.01	0.01	7
299528	509515	5684938	99.21	0.14	0.01	0.32	0.02	0.01	0.01	7
299529	509538	5684911	99.13	0.11	0.01	0.27	0.03	0.01	0.01	21
299530	509561	5684862	98.18	0.25	0.01	0.31	0.03	0.01	0.01	7
299531	509598	5684823	98.93	0.27	0.02	0.36	0.03	0.01	0.01	7
299532	509583	5684759	98.99	0.09	0.01	0.30	<0.01	0.01	0.01	7
299533	509619	5684743	98.72	0.16	0.01	0.35	0.02	0.01	0.01	14
299534	509641	5684726	98.18	0.30	0.01	0.33	0.04	0.01	0.02	15
299535	509712	5684697	99.41	0.13	0.01	0.30	0.02	0.01	0.01	7
299536	509736	5684685	99.27	0.11	0.01	0.33	0.02	0.01	0.01	7
299537	509764	5684670	98.58	0.13	0.02	0.36	0.03	0.01	0.02	8
299548	509306	5685510	99.32	0.14	0.01	0.29	0.01	0.01	0.01	18
299560	509476	5685127	98.99	0.13	0.01	0.32	0.03	0.01	0.02	27
299561	509472	5685107	99.01	0.05	0.01	0.32	0.01	0.01	<0.01	18
299562	509457	5685115	98.74	0.15	0.01	0.26	0.01	0.01	0.02	28
299563	509439	5685112	98.35	0.20	0.02	0.34	0.02	0.01	0.01	27
299564	509459	5685092	99.20	0.09	0.01	0.32	<0.01	0.01	0.01	21

299565	509487	5685107	99.49	0.09	0.01	0.28	0.03	0.01	0.02	28
299566	509490	5685083	98.48	0.25	0.02	0.35	0.01	0.01	0.01	26
299567	509503	5685071	99.03	0.11	0.02	0.34	0.02	0.01	<0.01	21
299568	509477	5685067	99.16	0.10	0.01	0.30	<0.01	0.01	<0.01	18
299569	509478	5685044	98.68	0.10	0.01	0.32	0.03	0.01	<0.01	20
299570	509506	5685041	98.46	0.43	0.02	0.32	0.06	0.01	0.01	29
299571	509523	5685054	98.81	0.13	0.01	0.31	0.03	0.01	0.01	22
299572	509382	5685160	98.42	0.09	0.01	0.29	0.01	0.01	0.01	23
299573	509397	5685160	98.92	0.11	0.01	0.36	<0.01	0.01	<0.01	18
299574	509406	5685142	99.12	0.09	0.01	0.30	0.02	0.01	<0.01	17
299575	509409	5685120	98.56	0.14	0.01	0.37	<0.01	0.01	<0.01	21
299581	509357	5685172	98.84	0.08	0.02	0.32	<0.01	0.01	0.01	18
299582	509429	5685142	98.87	0.15	0.01	0.29	<0.01	0.01	0.02	8
299583	509446	5685146	98.25	0.33	0.02	0.33	0.03	0.01	0.03	17
299584	509455	5685145	99.49	0.11	0.02	0.27	<0.01	0.01	0.01	5
299585	509473	5685142	98.66	0.08	0.01	0.36	<0.01	0.01	<0.01	6
299586	509493	5685133	98.52	0.05	0.01	0.29	<0.01	0.01	<0.01	<5

Note: 299548, 299584, and 299585 are float samples taken near outcrop.

The South Zone, comprising 13 high-grade quartzite outcrop grab samples averaged 98.80% SiO? with values ranging from 97.83% to 99.49% SiO?. These samples averaged 0.28% Fe?O?, 0.13% CaO, 0.13% Al?O?, 0.02% MgO, <0.01% TiO?, 0.02% P?O?, and 6ppm boron. See Figure 3 and Table 2. *

Figure 3. South Zone Outcrop Sampling - %SiO_2

Table 2. South Zone Outcrop Samples

Sample #	Easting (m)	Northing (m)	SiO_2 (%)	Al_2O_3 (%)	CaO (%)	Fe_2O_3 (%)	MgO (%)	P_2O_5 (%)	TiO_2 (%)	B (ppm)
248351	511603	5682006	98.60	0.28	0.08	0.25	0.04	0.01	0.01	15
248352	511563	5681948	99.45	0.15	0.02	0.22	0.02	0.01	<0.01	6
248353	511552	5681948	99.01	0.19	0.03	0.29	0.04	0.01	0.01	9
248354	511551	5681951	99.09	0.11	0.02	0.22	0.03	0.01	0.01	6
248355	511530	5681940	98.74	0.09	0.02	0.23	<0.01	0.01	<0.01	6
248356										

511522

5681942

98.82

0.08

0.01

0.31

<0.01

0.01

<0.01

<5

248357	511512	5681951	98.31	0.09	0.01	0.24	0.01	0.01	0.01	5
248358	511485	5681948	98.14	0.13	0.28	0.32	0.03	0.01	0.01	8
248359	511461	5681935	99.49	0.11	0.02	0.30	0.02	0.01	<0.01	10
248360	511436	5681932	99.06	0.03	0.05	0.25	0.01	0.02	<0.01	5
248361	511444	5681918	99.42	0.07	0.01	0.29	0.02	0.01	<0.01	6
248362	511440	5681942	97.83	0.32	0.73	0.36	0.03	0.03	0.01	8
248364	511374	5682002	98.43	0.09	0.43	0.36	<0.01	0.16	<0.01	<5

The Southeast Zone, comprising 29 high-grade quartzite outcrop grab samples, returned an average of 98.52% SiO? with values ranging from 95.82% to 99.82% SiO?. Average values for other constituents were: 0.35% Fe?O?, 0.07% CaO, 0.30% Al?O?, 0.06% MgO, 0.02% TiO?, <0.01% P?O?, and 26ppm boron. See Figure 4 and Table 3.*

Figure 4. Southeast Zone Outcrop Sampling - %SiO_2

Table 3. Southeast Zone Outcrop Samples - %SiO_2

Sample #	Easting (m)	Northing (m)	SiO_2 (%)	Al_2O_3 (%)	CaO (%)	Fe_2O_3 (%)	MgO (%)	P_2O_5 (%)	TiO_2 (%)	B (ppm)
248384	513642	5680350	98.22	0.37	0.21	0.41	0.14	0.02	0.03	27
248385	513671	5680320	95.82	0.57	0.69	0.51	0.52	0.02	0.03	30
248386	513685	5680313	97.77	0.48	0.05	0.37	0.05	0.01	0.03	30
248387	513708	5680285	98.90	0.36	0.02	0.35	0.04	<0.01	0.03	30
248388	513735	5680261	98.11	0.32	0.03	0.31	0.04	<0.01	0.03	35
248389	513748	5680244	98.05	0.49	0.03	0.30	0.03	<0.01	0.01	28
248390	513654	5680223	98.91	0.13	0.01	0.27	0.04	<0.01	0.01	29
248391	513627	5680208	98.74	0.09	0.02	0.30	0.02	<0.01	0.02	27
248392	513600	5680217	99.52	0.06	0.02	0.32	0.03	<0.01	0.01	23
248393	513564	5680220	96.98	1.04	0.05	0.33	0.07	0.03	0.07	41
248394	513592	5680259	98.91	0.30	0.13	0.35	0.13	<0.01	0.02	31
248395	513390	5680466	99.26	0.11	0.02	0.35	0.03	<0.01	0.01	25
248396	513367	5680495	98.81	0.12	0.07	0.34	0.04	<0.01	0.01	25
248397	513332	5680531	99.25	0.08	0.02	0.37	0.01	<0.01	0.01	26
248398	513301	5680539	99.08	0.15	0.21	0.33	0.04	<0.01	0.01	27
248399	513283	5680559	98.76	0.07	0.09	0.36	0.02	<0.01	0.01	22

248400	513263	5680602	98.77	0.08	0.01	0.29	<0.01	<0.01	0.01	24
299501	513231	5680636	98.14	0.15	0.02	0.41	0.02	<0.01	0.01	26
299502	513188	5680660	99.05	0.20	0.02	0.27	<0.01	<0.01	0.01	27
299503	513160	5680700	99.07	0.16	0.02	0.31	0.02	<0.01	0.01	27
299504	513133	5680705	98.85	0.13	0.02	0.26	0.01	<0.01	0.01	26
299508	513834	5679986	98.68	0.15	0.03	0.26	0.02	<0.01	0.01	21
299509	513876	5679941	98.88	0.23	0.03	0.27	0.04	<0.01	0.03	34
299510	513904	5679907	99.08	0.05	0.02	0.29	<0.01	<0.01	0.01	11
299511	513968	5679864	99.82	0.15	0.02	0.27	0.02	<0.01	0.01	23
299512	514023	5679832	99.21	0.12	0.02	0.29	0.03	<0.01	0.03	10
299513	514070	5679980	97.08	1.11	0.02	0.75	0.09	0.01	0.05	18
299514	514081	5680011	96.66	1.27	0.02	0.43	0.05	0.01	0.07	26
299515	514075	5680039	98.58	0.26	0.07	0.45	0.07	0.01	0.03	14

The remainder of samples were either taken near the contacts of the adjacent units or from non-quartzite outcrops of the adjacent Glenogle shale (east contact) and Beaverfoot dolomite (west contact) and were not included in the statistical summary of the quartzite samples taken.

Channel Sampling Results
Channel sampling was conducted at the Table Mountain Zone, with results consistently similar to the outcrop sampling results. Sampling procedure consisted of continuous chip sampling along a 3-centimetre cut channel. Samples were taken continuously over 1-metre intervals perpendicular to the strike orientation of the outcrop, with the sample sequence starting from the southwest end of the channel. Intervals shorter than 20 centimetres were combined with the previous interval. 66 continuous chip channel samples were collected over 62.11 metres within 74.16 metres in five channels, returning a weighted average of 98.86% SiO?.

Four additional duplicates were taken as QA/QC checks and passed validation. Sample density is sufficient to indicate the accurate representation of the underlying mineralization.

See Figure 5 and Table 4 below.

Figure 5. Channel Sampling Locations - Table Mountain Zone

Table 4. Table Mountain Zone - Channel Sampling

Channel	From (m)	To (m)	Interval (m)	SiO_2 (%)	Al_2O_3 (%)	CaO (%)	Fe_2O_3 (%)	MgO (%)	P_2O_5 (%)	TiO_2 (%)	B (ppm)
TM1	0.00	4.74	4.74	98.83	0.15	0.01	0.30	0.01	0.01	0.01	24

	0.00	5.80	5.80	98.88	0.10	0.01	0.33	0.01	0.01	0.01	10
	5.80	6.30	0.50	Overburden							
TM2	6.30	8.83	2.53	98.90	0.10	0.01	0.30	0.01	0.01	0.02	7
	8.83	9.38	0.55	Overburden							
	9.38	13.0	3.62	99.21	0.09	<0.01	0.35	0.01	0.01	0.02	11
	0.00	7.60	7.60	99.03	0.11	<0.01	0.32	0.01	0.01	0.02	7
	7.60	10.20	2.60	Overburden							
TM3	10.20	11.00	0.80	99.08	0.11	<0.01	0.27	0.01	0.01	0.02	6
	11.00	11.90	0.90	Overburden							
	11.90	18.00	6.10	98.79	0.11	<0.01	0.29	<0.01	0.01	0.02	10
TM4	0.00	5.22	5.22	99.09	0.09	<0.01	0.33	<0.01	0.01	0.02	12
	0.00	3.80	3.80	98.82	0.15	<0.01	0.29	<0.01	0.01	0.04	15
	3.80	4.50	0.70	Overburden							
	4.50	7.00	2.50	98.85	0.12	<0.01	0.31	0.02	0.01	0.02	20
	7.00	10.20	3.20	Overburden							
TM5	10.20	12.00	1.80	98.77	0.09	<0.01	0.34	0.01	<0.01	0.01	12
	12.00	13.00	1.00	Overburden							
	13.00	17.50	4.50	98.30	0.15	0.09	0.34	0.02	<0.01	0.01	13
	17.50	20.10	2.60	Overburden							
	20.10	33.20	13.10	98.81	0.11	<0.01	0.31	0.01	<0.01	0.01	9

Discussion
Sampling results within the zones were consistently high purity, with the northern Table Mountain Zone returning the best and most consistent grades. The favourable grades reflect field observations of a broad zone of white quartzite measuring at least 150 metres wide and a strike length extending from the Trans-Canada Highway to the south and to the north, beyond the northern end of the Property, representing a total strike length of at least 4 kilometres. Although the western cliff face of Table Mountain clearly demarcates the western margin of the Mount Wilson Formation quartzite, the eastern margin is obscured by a deep boulder field originating from the extensive, steep quartzite exposure in this area.

Channels sampling results demonstrated a consistency in grade over a wide area within the Table Mountain Zone.

All samples were submitted to ALS Laboratories in North Vancouver, British Columbia for B-MS82L (boron) and ME-XRF26 (all other elements). Four sample duplicates were taken in the channel sampling sequence, and passed QA/QC.

* Cautionary Note

The reader is cautioned that grab samples are selective by nature and may not represent the true grade or

style of mineralization across the property.

About the Table Mountain Project
The Table Mountain Silica Project comprises 2,304 hectares located 4 kilometres east of Golden, B.C., with excellent year-round access and proximity to the Canadian Pacific Railway Golden Rail Yard. The property hosts up to 10 kilometers of regionally mapped strike length of the Mount Wilson Formation, with apparent widths ranging from 300 to 1,400 metres at surface. The project is strategically positioned near both the Moberly Silica Mine and Sinova Quartz silica quarry, which exhibit economic grade silica greater than 99.6% SiO? purity.

Qualified Person
Technical information in this news release has been reviewed and approved by Case Lewis, P.Geo., a "Qualified Person" as defined under NI 43-101 Standards of Disclosure for Mineral Projects and a director of the Table Mountain Project vendor.

About Troy Minerals
Troy Minerals is a Canadian based publicly listed mining company focused on building shareholder value through acquisition, exploration, and development of strategically located "critical" mineral assets. Troy is aggressively advancing its projects within the silica (silicon), vanadium, and rare earths industries within regions that exhibit high and growing demand for such commodities, in both North America and Central-East Asia. The Company's primary objective is the near-term prospect of production with a vision of becoming a cash-flowing mining company to ultimately deliver tangible monetary value to shareholders, state, and local communities.

ON BEHALF OF THE BOARD,
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Forward-Looking Statements
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